

## ABSTRACT

According to the present invention, there is provided a method for reliably storing data in a computer system. The method includes receiving a piece of data to be stored at a storage system. In addition, the method includes writing a first copy of the data to the storage system according to a first data redundancy scheme. Also, the method includes writing a second copy of the data to the storage system according to a second data redundancy scheme. Also, the system includes maintaining metadata of the data written to the storage system according to the second data redundancy scheme. In addition, the method includes copying the data written to the storage system according to the second data redundancy scheme to a backup storage system, wherein the copying is performed in response to a defined condition being met. Moreover, removing the data written to the storage system according to the second data redundancy scheme after it has been copied to the backup storage system.